

Amendments to the Specification:

Please amend paragraph [0040], as follows:

[0040] FIGURE 4A shows a design for at least one support arm 10 used for the embodiments of FIGURE 1 and/or FIGURE 2, the support arm connected to the wall 2 by a joint assembly 7A including a bracket 44, joint 46, and tab 47. FIGURE 4A shows a mounting bracket 44 for mounting the support arm on the wall 2. A biasing spring 42, connected to bracket 44 via bar 45 and joint 46, is located in the support arm 10 (or 20) to bias the awning (typically toward a deployed condition about joint assembly 7A for the embodiment of FIGURE 1, and, if used, optionally toward a retracted position for the embodiment of FIGURE 2). This bias causes the support arms 10 of FIGURE 1 or support arms 20 of FIGURE 2, to move outward from the wall 2, and thus deploy the awning 1A (or 1B), when the motor is operated in the deploy mode. The spring bias also helps to keep the canopy 5 taught in a deployed or partially deployed position. Retracting the awning is done by operating the motor in the opposite direction, which then rolls the canopy 5 onto the roll-up tube 14, and thus pulls in the support arms 10 and re-tensions the spring 42.

Please amend paragraph [0041], as follows:

[0041] Alternatively, FIGURE 4B shows an embodiment that utilizes a torsion spring 49 for biasing the support arm 10 (or 20) in an outward direction about joint assembly 7B.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (currently amended) An awning for mounting on a
2 wall, said awning comprising:
3 a roll-up tube;
4 a canopy attached to said roll-up tube;
5 a drive assembly at least partially inserted into said
6 roll-up tube for deploying and retracting said
7 awning;
8 a support arm for supporting said canopy outward from the
9 wall when deployed; and
10 a solar panel for generating electrical power for
11 powering said drive assembly.

1 2. (original) The awning of claim 1, further
2 comprising a rechargeable battery for storing said
3 electrical power and for powering said drive assembly.

1 3. (original) The awning of claim 1, wherein said
2 solar panel is fixedly mounted on the wall.

1 4. (original) The awning of claim 1 for installing
2 on a building or vehicle, wherein no connection to an
3 electrical system of the building or vehicle is necessary
4 to operate said awning.

1 5. (currently amended) An awning comprising:
2 a roll-up tube;
3 a canopy attached to said roll-up tube;

4 a drive assembly for deploying or retracting said
5 awning canopy, outward or inward, from or to
6 the wall, respectively;
7 a solar panel fixedly mounted on a wall for
8 generating electrical power for powering said
9 drive assembly.

1 6. (currently amended) The awning of claim 5,
2 wherein said ~~motorized~~ drive assembly is at least
3 partially inserted into said roll-up tube.

1 7. (original) The awning of claim 5, further
2 comprising a rechargeable battery for storing said
3 electrical power for powering said drive assembly.

1 8. (original) The awning of claim 5, further
2 including a wall mounting assembly fixedly mounted on the
3 wall, wherein said roll-up tube is rotatably fixed to
4 said wall mounting assembly.

1 9. (original) The awning of claim 5 for installing
2 on a building or vehicle, wherein no connection to an
3 electrical system of the building or vehicle is necessary
4 to operate said awning.

1 10. (original) An awning comprising:
2 a wall mounting assembly fixed to a wall, said wall
3 mounting assembly including a roll-up tube
4 rotatably attached to said wall mounting
5 assembly;
6 a canopy rod;

7 a canopy having an inner end connected to said roll-
8 up tube and an outer end connected to said
9 canopy rod;
10 a support arm including:
11 a first end connected to the wall;
12 a second end connected to said canopy rod;
13 at least one joint assembly between said first
14 end and said second end; and
15 a biasing spring for biasing said support arm
16 outward from the wall about said joint
17 assembly;
18 a drive assembly for deploying or retracting said
19 awning;
20 a rechargeable battery for providing electrical
21 power for powering said drive assembly; and
22 a solar panel for generating electrical power for
23 storing in said rechargeable battery and/or for
24 powering said drive assembly.

1 11. (original) The awning of claim 10, wherein said
2 solar panel is fixedly mounted on one of the wall or said
3 wall mounting assembly.

1 12. (original) The awning of claim 11, wherein said
2 drive assembly is at least partially inserted into said
3 roll-up tube.

1 13. (original) The awning of claim 10, wherein said
2 drive assembly is at least partially inserted into said
3 roll-up tube.

1 14. (original) The awning of claim 10 for installing
2 on a building or vehicle, wherein no connection to an

3 electrical system of the building or vehicle is necessary
4 to operate said awning.

1 15. (original) An awning comprising:
2 a wall mounting assembly fixed to a wall;
3 a first and a second support arm each connected to
4 the wall;
5 a roll-up tube rotatably attached to said first
6 support arm at one end of said tube;
7 a canopy having an inner end connected to said wall
8 mounting assembly and an outer end connected to
9 said roll-up tube;
10 a drive assembly attached to said second support arm
11 and at least partially inserted into another
12 end of said roll-up tube for deploying or
13 retracting said awning;
14 a rechargeable battery for providing electrical
15 power for powering said drive assembly; and
16 a solar panel for generating electrical power for
17 storing in said rechargeable battery and/or for
18 powering said drive assembly.

1 16. (original) The awning of claim 15, wherein said
2 solar panel is fixedly mounted on said wall mounting
3 assembly.

1 17. (original) The awning of claim 15 for mounting
2 on a wall of a building or vehicle, wherein no connection
3 to an electrical system of the building or vehicle is
4 necessary to operate said awning.

1 18. (currently amended) An awning comprising:
2 a roll-up tube rotatably fixed to a wall;

3 a canopy rod;
4 a canopy having an inner end connected to said roll-
5 up tube and an outer end connected to said
6 canopy rod;
7 a support arm including:
8 a first end connected to the wall;
9 a second end connected to said canopy rod;
10 at least one joint assembly; and
11 a biasing spring connected to said joint
12 assembly for biasing said support arm
13 outward from the wall about said joint
14 assembly;
15 a drive assembly at least partially inserted into
16 said roll-up tube for deploying or retracting
17 said awning;
18 a rechargeable battery for providing electrical
19 power for powering said drive assembly; and
20 a solar panel for generating electrical power for
21 storing in said rechargeable battery and/or for
22 powering said drive assembly.

1 19. (original) The awning of claim 18 for installing
2 on a building or vehicle, wherein no connection to an
3 electrical system of the building or vehicle is necessary
4 to operate said awning.

1 20. (currently amended) An awning comprising:
2 a wall mounting assembly mounted on a wall;
3 a first and a second support arm each attached to
4 the wall;
5 a roll-up tube having one end connected to said
6 first support arm;

7 a canopy having an inner end connected to said wall
8 mounting assembly and an outer end connected to
9 said roll-up tube;
10 a drive assembly attached to said second support arm
11 and at least partially inserted into another a
12 second end of said roll-up tube for deploying
13 or retracting said awning;
14 a rechargeable battery for providing electrical
15 power for powering said drive assembly; and
16 a solar panel fixedly mounted on said wall mounting
17 assembly for generating electrical power for
18 storing in said rechargeable battery and/or for
19 powering said drive assembly.

1 21. (currently amended) The awning of claim 20 for
2 installing on a building or vehicle, wherein no
3 connection to an electrical system of the building or
4 vehicle is necessary to operate said awning.

1 22. (original) An awning comprising:
2 a roll-up tube rotatably fixed to a wall;
3 a canopy rod;
4 a canopy having an inner end connected to said roll-
5 up tube and an outer end connected to said
6 canopy rod, wherein said canopy can be wound on
7 said roll-up tube by rotating said tube in a
8 wind direction for retracting said awning and
9 unwound from said roll-up tube by rotating said
10 tube in an unwind direction to deploy said
11 awning;
12 at least two support arms, each support arm
13 including:
14 a first end connected to the wall;

15 a second end connected to said canopy rod; and
16 at least one joint assembly, wherein at least
17 one support arm further includes a biasing
18 spring for biasing said support arm
19 outward from the wall about said joint
20 assembly;
21 wherein said outward biasing of said support arms
22 tends to deploy said awning and keep said
23 canopy taught when said roll-up tube is rotated
24 in an unwind direction to deploy said awning;
25 a motorized drive assembly at least partially
26 inserted into said roll-up tube, wherein said
27 drive assembly is for winding or unwinding said
28 roll-up tube;
29 a rechargeable battery for providing electrical
30 power to said drive assembly; and
31 a solar panel for generating electrical power for
32 storing in said rechargeable battery and/or for
33 powering said drive assembly.

1 23. (original) The awning of claim 22 for installing
2 on a building or vehicle, wherein no connection to an
3 electrical system of the building or vehicle is necessary
4 to operate said awning.

1 24. (original) The awning of claim 22, wherein said
2 solar panel is fixedly mounted on the wall.

1 25. (original) An awning comprising:
2 a wall mounting assembly fixed to a wall;
3 a roll-up tube rotatably fixed to said wall mounting
4 assembly;
5 a canopy rod;

6 a canopy having an inner end connected to said roll-
7 up tube and an outer end connected to said
8 canopy rod, wherein said canopy can be wound on
9 said roll-up tube by rotating said tube in a
10 wind direction for retracting said awning and
11 unwound from said roll-up tube by rotating said
12 tube in an unwind direction to deploy said
13 awning;
14 at least two support arms, each support arm
15 including:
16 a first end connected to the wall;
17 a second end connected to said canopy rod; and
18 at least one joint assembly;
19 a motorized drive assembly at least partially
20 inserted into said roll-up tube and
21 rotationally connected to said roll-up tube,
22 wherein said drive assembly is for winding or
23 unwinding said roll-up tube to deploy or
24 retract said awning;
25 a rechargeable battery for providing electrical
26 power to said drive assembly; and
27 a solar panel fixedly mounted on said wall mounting
28 assembly for generating electrical power for
29 storing in said rechargeable battery and/or for
30 powering said drive assembly.

1 26. (original) The awning of claim 25 for installing
2 on a building or vehicle, wherein no connection to an
3 electrical system of the building or vehicle is necessary
4 to operate said awning.

1 27. (original) An awning comprising:
2 a roll-up tube;

3 a drive assembly at least partially inserted into said
4 roll-up tube for deploying and retracting said
5 awning; and

6 a support arm connected to a wall, said support arm
7 including a spring for biasing said support arm in
8 an outward direction to deploy said awning.

1 28. (original) The awning of claim 27, wherein said
2 spring is a torsion spring.

1 29. (original) The awning of claim 27, wherein said
2 spring is a linear spring.

1 30. (original) The awning of claim 27, further
2 comprising a solar panel for generating electrical power
3 for powering said drive assembly.

1 31. (original) The awning of claim 30, further
2 comprising a rechargeable battery for storing said
3 electrical power and for powering said drive assembly.

1 32. (original) The awning of claim 32, wherein said
2 solar panel is fixedly mounted on the wall.

1 33. (new) The awning of claim 27, wherein said drive
2 assembly includes a disc having a notch for inserting
3 within said roll-up tube, and further wherein said roll-
4 up tube includes a projection corresponding to said notch
5 for mating with said notch after said inserting.

1 34. (new) The awning of claim 18, wherein said drive
2 assembly includes a disc having a notch for inserting
3 within said roll-up tube, and further wherein said roll-

4 up tube includes a projection corresponding to said notch
5 for mating with said notch after said inserting.

1 35. (new) The awning of claim 15, wherein said drive
2 assembly includes a disc having a notch for inserting
3 within said roll-up tube, and further wherein said roll-
4 up tube includes a projection corresponding to said notch
5 for mating with said notch after said inserting.

1 36. (new) The awning of claim 10, wherein said drive
2 assembly includes a disc having a notch for inserting
3 within said roll-up tube, and further wherein said roll-
4 up tube includes a projection corresponding to said notch
5 for mating with said notch after said inserting.

1 37. (new) The awning of claim 5, wherein said drive
2 assembly includes a disc having a notch for inserting
3 within said roll-up tube, and further wherein said roll-
4 up tube includes a projection corresponding to said notch
5 for mating with said notch after said inserting.

1 38. (new) The awning of claim 1, wherein said drive
2 assembly includes a disc having a notch for inserting
3 within said roll-up tube, and further wherein said roll-
4 up tube includes a projection corresponding to said notch
5 for mating with said notch after said inserting.